

Title (en)
A laundry or tableware treating machine

Title (de)
Wäsche- oder Geschirrbehandlungsmaschine

Title (fr)
Machine de traitement du linge ou de la vaisselle

Publication
EP 2679718 A1 20140101 (EN)

Application
EP 12174262 A 20120629

Priority
EP 12174262 A 20120629

Abstract (en)
A laundry or tableware treating machine including a treating chamber where the items can be introduced to be treated with a treating medium, a control unit (UC1), a heat pump system including a compressor (C), a first heat exchanger for heating a refrigerant, a second heat exchanger for cooling the refrigerant and heating the treating medium and expansion means, at least an active switching device (RL), controllable by the control unit (UC1), for selectively switching ON/OFF the compressor (C), wherein the machine comprises at least a passive switching device, not controllable by control unit (UC1), and including a thermo protector circuit (P) adapted to cut the power supply to the compressor (C) when predetermined temperature or voltage load thresholds are exceeded, monitoring means to detect the opening of the thermo protector circuit (P) to cut the power supply to the compressor (C), wherein the monitoring means includes at least one of the following: a system for monitoring the temperature of the refrigerant; a sensing circuit to detect a change of potential and/or current at an assembly comprising the compressor (C) and the thermo protector circuit (P).

IPC 8 full level
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CPC (source: CN EP US)
D06F 58/206 (2013.01 - CN EP US); **D06F 34/08** (2020.02 - CN EP US); **D06F 58/50** (2020.02 - CN EP US);
D06F 2101/00 (2020.02 - CN EP US); **D06F 2103/44** (2020.02 - CN EP US); **D06F 2103/50** (2020.02 - CN EP US);
D06F 2105/26 (2020.02 - CN EP US)

Citation (applicant)
US 2011173838 A1 20110721 - NAWROT THOMAS [DE], et al

Citation (search report)
• [A] WO 2009098158 A1 20090813 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
• [AD] US 2011173838 A1 20110721 - NAWROT THOMAS [DE], et al

Cited by
EP2927366A1; EP3124689A1; EP3124680A1; EP3124678A1; AU2016204990B2; EP2843118A1; US2018038042A1; WO2016138920A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2679718 A1 20140101; AU 2013283593 A1 20150115; AU 2013283593 B2 20170824; CN 104583483 A 20150429;
CN 104583483 B 20170222; EP 2867400 A1 20150506; EP 2867400 B1 20160810; WO 2014001114 A1 20140103

DOCDB simple family (application)
EP 12174262 A 20120629; AU 2013283593 A 20130617; CN 201380034035 A 20130617; EP 13731074 A 20130617;
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